

Serial Number:

101005, 467

CRF Processing Date: 12/12/01

Edited by:

Verified by: DC (STIC sta

- ☐ Changed a file from non-ASCII to ASCII
- ☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- ☐ Edited a format error in the Current Application Data section, specifically: **ENTERED**
- ☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_
- ☐ Added the mandatory heading and subheadings for "Current Application Data".
- ☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- ☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically: \_\_\_\_\_
- ☐ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: \_\_\_\_\_
- ☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: \_\_\_\_\_
- ☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- ☐ Inserted colons after headings/subheadings. Headings edited included: \_\_\_\_\_
- ☐ Deleted extra, invalid, headings used by an applicant, specifically: \_\_\_\_\_
- ☒ Deleted: ☒ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_
- ☐ Inserted mandatory headings, specifically: \_\_\_\_\_
- ☐ Corrected an obvious error in the response, specifically: \_\_\_\_\_
- ☐ Edited identifiers where upper case is used but lower case is required, or vice versa.
- ☐ Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_
- ☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- ☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_
- ☐ Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/005,467

DATE: 12/18/2001  
TIME: 15:56:48

Input Set : N:\jumbos\10005467.txt  
Output Set: N:\CRF3\12182001\J005467.raw

4 <110> APPLICANT: Allen, Keith D.  
6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING PTP36  
7 TYROSINE PHOSPHATASE GENE DISRUPTIONS  
10 <130> FILE REFERENCE: R-758  
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/005,467  
C--> 12 <141> CURRENT FILING DATE: 2001-12-04  
12 <150> PRIOR APPLICATION NUMBER: US 60/251,796  
13 <151> PRIOR FILING DATE: 2000-12-06  
15 <160> NUMBER OF SEQ ID NOS: 3  
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
19 <210> SEQ ID NO: 1  
20 <211> LENGTH: 3957  
21 <212> TYPE: DNA  
22 <213> ORGANISM: Mus musculus  
24 <400> SEQUENCE: 1  
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26 cagaaaaacta ctaaggccat ctgaggggtg cctgtgccag gagagggggg cgggtgtcccc 120  
27 gggccgcaga gccatgcctt tcggcctgaa gctccgcagg actcggcgct acaacgtcct 180  
28 gagcaagaac tgctttgttg cccggatccg cctgctggac agcaatgtca tcgagtgcac 240  
29 gctgtcggtg gaaagcacgg ggcaagagtg cctggaggcc gtggcccaga ggctggagct 300  
30 gagggagacg cactacttcg gcctttggtt tctcagcaag agccagcagg cgagatgggt 360  
31 agagctggag aagccactga agaaacatct ggacaagttt gctaacgagc ctctgctttt 420  
32 ctctcgagtc atgttctatg tgccaaatgt gtcacggctt cagcaggagg ccacaagata 480  
33 tcagtattac ctgcaagtca aaaaagacgt gcttgaagga cggttgcggt gctccctgga 540  
34 acaagtgate cggctggctg gcttagctgt gcaagctgac ttcggagatt ataaccagtt 600  
35 tgattcccaa gagttcctcc gagagtatgt gctctttcct atggatttgg ccatggagga 660  
36 ggcggctctg gaggagctaa cccagaaggt ggcccaggaa cacaaagctc atagcgggat 720  
37 cctgccggct gaagctgaac tgatgtacat caacgaggta gagcgttttg atggatttgg 780  
38 acaggagatc ttccccgtga aggacagtc tggcaacagc gtgcacctcg gcattctctt 840  
39 catggggatt tttgtgagga acagggtcgg gagacaggca gtgatataca ggtggaatga 900  
40 cattgggagt gttactcaca gcaaagcagc catcctgttg gagctgattg acaaggagga 960  
41 gaccgcgtc ttccatacag atgatattga aaatgccaaq tacatttctc ggttggtttac 1020  
42 cactcggcac aaattttaca aacagaacaa gatctgact gaacagtcaa attctccacc 1080  
43 cccaatcaga cgccagccca cctggagccg gtctcactg ccaaggcagc agccgtatat 1140  
44 cttgcctccc atgcatgtcc agtgcatga gcaactactg gagaccata cttcccaaga 1200  
45 cagcattttc cccgggaacg aagaagcctt gtactgccgt tctcacaaca gcctggacct 1260  
46 taattacttg aacggcaccg tcaccaatgg cagcgtgtgc agcgttcaca gcgtcaactc 1320  
47 cctcagctgc tcccagagct tcattcaggc gtctccagtg tcctccaacc ttagcatccc 1380  
48 tgggagtgac atcatgaggg cggattacat ccccagccac cgccacagca ccatcatcgt 1440  
49 gccgtcttac aggccgaccc cagattacga gacggtcatg aggcagatga agaggggtct 1500  
50 gatgcacgca gacagccaga gccggctctc gcgtaacctc aatatcatca acacccatgc 1560  
51 ctataaccag cccgaggaac tgggtgtacag ccagccggag atgcgggaga ggcatcccta 1620  
52 cacggtcccc tatgcacacc aggggtgcta cggtcacaaa cttgtaagtc cgtctgacca 1680  
53 gatgaacccc caaaattgtg cgatgcctat caagccaggg gccagttcca tctctcacac 1740  
54 agtgagcact ccagaactag ccaacatgca gctccaagga gcacaacact atagcacagc 1800  
55 ccacatgctc aagaactatc tattcaggcc gccacccctt taccctcggc cccgtcctgc 1860  
56 caccagcacc ccagacctcg ccagccaccg ccacaagtac gtcagcggca gcagccctga 1920

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/005,467

DATE: 12/18/2001

TIME: 15:56:48

Input Set : N:\jumbos\10005467.txt

Output Set: N:\CRF3\12182001\J005467.raw

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57 tctggtaact cggaagggtgc agctctccgt aaagaccttc caggaggaca gctcacctgt 1980
58 ggtccatcag tctctgcagg aggtgagcga acccctcaca gccaccaagc accatggcgg 2040
59 cggcgggtggc acggtgaata aacgccacag cctggagggtg atgaacagca tggtagagagg 2100
60 catggaggcc atgacactga agtcaactcaa tatcccatg gctcgccgca acacccttcg 2160
61 ggagcagggc ccttccgagg agacggggcg ccacgaagtg cacggtctcc cccagtatca 2220
62 ccacaagaag acattctcgg atgccacat gctgatccac agcagtgaga gcgagggaaga 2280
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65 gccaaagaaa agtgtcagta atggggcact gagacaggac cagggaaccc ctcttctctg 2460
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68 cagcgtgaag gagcgggtca agaaagagcc tgtgaaggaa aggcgggtgt cagagatgtt 2640
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89 atgtattatt ttatataaga taatttattt ttttccctct ttggaataag ttctgtgagt 3900
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92 &lt;210&gt; SEQ ID NO: 2

93 &lt;211&gt; LENGTH: 200

94 &lt;212&gt; TYPE: DNA

95 &lt;213&gt; ORGANISM: Artificial Sequence

97 &lt;220&gt; FEATURE:

98 &lt;223&gt; OTHER INFORMATION: Targeting Vector

100 &lt;400&gt; SEQUENCE: 2

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101 cagctgcccg gcagagagcc tgggtggcag ggacatcttt atccacatac cttagtgtga 60
102 ccacgccgac agaaaaactac taaggccatc tcaggggtgc ctgtgccagg agaggggggc 120
103 ggtgtccccg ggccgcagag ccatgccttt cggcctgaag ctccgcagga ctccggcgcta 180
104 caacgtcctg agcaagaact

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200

106 &lt;210&gt; SEQ ID NO: 3

107 &lt;211&gt; LENGTH: 200

108 &lt;212&gt; TYPE: DNA

109 &lt;213&gt; ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING  
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Input Set : N:\jumbos\10005467.txt  
Output Set: N:\CRF3\12182001\J005467.raw

111 <220> FEATURE:  
112 <223> OTHER INFORMATION: Targeting Vector  
114 <400> SEQUENCE: 3  
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116 tgtgtggaca gggagtgggc tcttcagagg aaccagctat ctgcttaacg tgttggcacc 120  
117 tgctgtgttt tcagcctaag cgtgtgttta aaagaacctg cttttcttag ggtgggtgtg 180  
118 gcccggggaa gttccagcat 200

VERIFICATION SUMMARY

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Input Set : N:\jumbos\10005467.txt

Output Set: N:\CRF3\12182001\J005467.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No  
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date